



BEDES Residential Sub-Group (R1)
Notes on First Conference Call—January 9, 2013 (1:00-3:30 EST)

Convener: Norm Bourassa, LBNL
Facilitator: Dr. Jonathan Raab, Raab Associates, Ltd.
(See attendees in Appendix I)

1:00 Welcome, Introductions, Groundrules, and Overview of BEDES Sub-Group Process (and today's agenda and goals)—Dr. Raab

- Jonathan went over the role of sub-groups and ground rules, and no one had any questions.
- Turned attention to Residential Site and Facility spreadsheet provided by LBNL with fields coded by LBNL for discussion (“yes” discuss; “maybe” discuss if time; and “no” discussion not needed unless Sub-Group member brings up). Note names in () after each field name indicates LBNL team member presenting the field and associated discussion question. (See spreadsheet on website).

1:15 BEDES Residential: Site Section (Data Fields)

- Climate Zone—(JDR)
 - Discussion:
 - May still be useful to have weather station info, but if have climate zone and zip code—weather look up can be handled
 - Resolution:
 - Agree with C1 resolution to add CA and Bonneville climate zone info and use zip code info for weather data lookup, so don't need weather data fields
- School District—(JDR)
 - Resolution:
 - Agree with C1 resolution: This field does not need to be moved. Change field name to School District ID and data type to constrained list of codes
- Tax Floor Area—(Shankar)
 - Resolution:
 - Agree with C1 resolution: Keep and rename to differentiate between tax floor area at the site vs. the facility level
- Additional Fields to Consider (Lot Size, etc.—see bottom of worksheet)—(Shankar)
 - Resolution:
 - Additional fields should be accommodated to align with HPXML, and RETS fields are good to have too
- If Time:
 - Complex Type—(Andrea)
 - Resolution:
 - Keep at site level but include types to accommodate: Neighborhood Association, Home Owner Association (HOA), and Cooperatives

2:00 BEDES Residential: Facility & Activity Area Sections (Data Fields)

- Orientation —(Shankar)
 - Discussion:

- Go with number of degrees clockwise from North (as long as the description is clear and establishes the same reference point, like front of building, for everyone)
 - HPXML does both with tags for Orientation and Azimuth (orientation of front, and compass degrees clockwise from north)
 - Worried about lay people looking at/inputting degrees
 - Resolution:
 - Consider changing “Orientation” field name to something like “Orientation-Cardinal” or “Cardinal Direction” AND adjust definition to use front of building as the reference to direction
 - Also add an “Azimuth” field for actual degrees clockwise from North, again using the front of building as the reference
- Footprint Area + Footprint Shape—Norm
 - Discussion:
 - ASHRAE is technical back-stop for Commercial
 - HPXML uses an ASHRAE definition to for gross floor area—more detailed than commercial ASHRAE definition. HPXML doesn’t have as many floor area definitions. But has “Finished Area” instead of “Enclosed Floor Area”
 - Resolution:
 - Use same gross floor area as HPXML, which coincides with ASHRAE’s definition.
 - Add a “Finished Floor Area” field.
 - Notes:
 - Did not discuss Footprint Shape being granular enough to capture geometry of the facility – Need to bring this up with commercial subgroup as well.
- Building Certification Type—(Shankar)
 - Resolution:
 - Include in list: Passive Home, Challenge Home, HXMPL Energy Star New Homes, NGBS, WaterSense in addition to those identified on spreadsheet
- Additional Fields to Consider (Builder name, etc.—see bottom of worksheet)—(Shankar)
 - Metering Configuration (Sub-metered, master-metered, etc).
 - Resolution:
 - Unresolved, so tabled to the Energy Use and Time Series subgroup meeting
 - Other Additional Fields:
 - Resolution:
 - Adopt additional fields including Space above garage (conditioned, crawl, unconditioned); and Uncovered Parking Area
- If Time:
 - Complete Total Energy—(Andrea)
 - Resolution:
 - No opinions, so stick with Commercial Sub-Group resolution-- Ok at the facility level. Would be good to have more flags relating to gaps, unaligned data, etc.
 - Surroundings—(JDR)
 - Discussion:
 - RETS does not have a surroundings field. However captures this information into two separate fields- PropertyAttached (Yes/No) and CommonWalls (1, 2, none, no one above and no one below)
 - Resolution:
 - Agree with Commercial Sub-Group resolution--Change field name to Abutment and add “Attached from Above” and “Attached from Below” types
 - Federal Real Property ID and Federal Sustainability Checklist Completion Percentage—(Shankar)
 - Resolution:

- This may be relevant to military housing or government house, so federal fields should stay in
 - Other?
 - Resolution:
 - Add “Barracks” or “Other Military Housing” to Residential Facility Type list.
 - Add field to Resident Population Type to accommodate “Cooperative Housing”, “Co-Housing”, “Halfway Home”, etc.
 - Need to have a discussion with TWG about adding residential Activity Area field names to link with Residential Facility

3:20 Wrap-Up and Next Steps

- Capture notes in column live, or at least bottom line resolution
- Provide topics (e.g., Fields) ahead of time
- Maybe change NO to something else like “Yes”, “Maybe” and “If needed or requested”?

Appendix I: Attendance

Residential Sub-Group				
First Name	Last Name	Organization	Email Address	1.9.14
Cynthia	Adams	LEAP	cynthia@leap-va.org	
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